

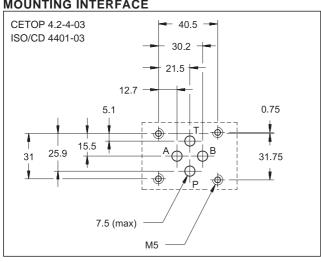
MERS FLOW RESTRICTOR VALVE **SERIES 50**

MODULAR VERSION CETOP 03

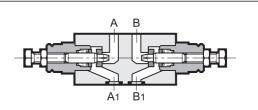
p max 350 bar

Q max (see performance ratings table)

MOUNTING INTERFACE



OPERATING PRINCIPLE



- This is a noncompensated flow control valve with a check valve for reverse free flow. It is made in the modular version and with mounting surface according to the CETOP and ISO standards.
- It can be assembled quickly under all CETOP 03 valves without use of pipes, but using only suitable tie-rods or bolts, thus forming compact modular groups.
- It is normally supplied with a hexagonal head adjustment

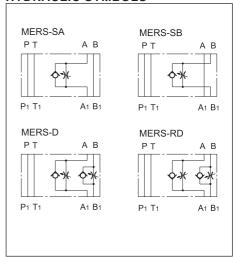
CONFIGURATIONS (see Hydraulic symbols table)

- Configuration "SA": is utilized in cases in which control of the flow exiting from the actuator on line A is desired.
- Configuration "SB": is utilized in cases in which control of the flow exiting from the actuator on line B is desired.
- Configuration "D": independently controls the flow exiting the two chambers of the actuator.
- Configuration "RD": independently controls the flow entering the two chambers of the actuator.
- All the configurations have an incorporated check valve that allows reverse free flow (cracking pressure of 0,5 bar).

PERFORMANCE RATINGS (measured with mineral oil of viscosity 36cSt at 50°C)

Maximum operating pressure Check valve cracking pressure	bar bar	350 0,5
Maximum flow rate in the controlled lines Maximum flow rate in the free lines Minimum controlled flow rate with Δp 10 bar	I/min I/min I/min	50 75 ≤ 0,060
Ambient temperature range	°C	−20 ÷ +50
Fluid temperature range	°C	−20 ÷ +70
Fluid viscosity range	cSt	2,8 ÷ 380
Recommended filtration	µm absolute	≤ 25
Recommended viscosity	cSt	25
Mass:	kg	1,3

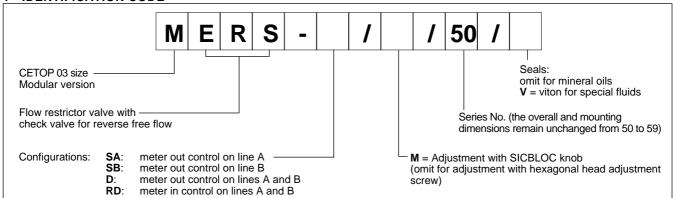
HYDRAULIC SYMBOLS



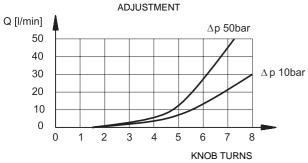
64 200/197 ED

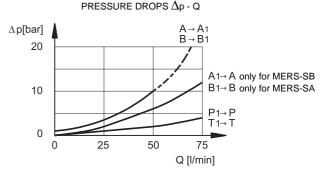


1 - IDENTIFICATION CODE



2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)

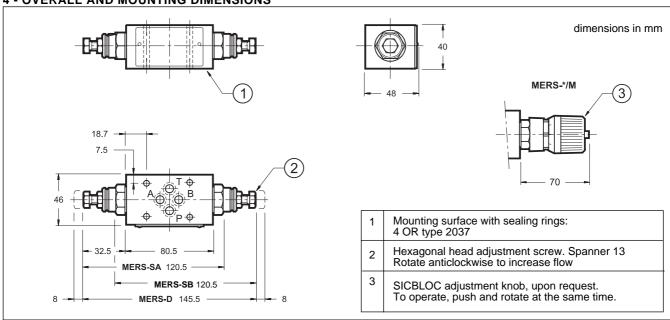




3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids, with the addition of suitable anti-frothing and anti-oxidizing agents. For the use of other types (water glycol, phosphate esters and others), please consult our technical department.

4 - OVERALL AND MOUNTING DIMENSIONS





DUPLOMATIC OLEODINAMICA SpA

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